



## Timoney's CEM Agar

For Veterinary and Research Use Only

### INTENDED USE

Timoney's CEM agar is the improved formulation for culture based isolation and identification of *Taylorella equigenitalis*, the causative agent in Contagious Equine Metritis (CEM)

### DESCRIPTION AND PRINCIPLE OF USE

CEM is an inflammation of the endometrium of mares caused by *T. equigenitalis*, which usually results in temporary infertility. It is a nonsystemic infection, the effects of which are restricted to the reproductive tract of the mare. Timoney's CEM Agar is suitable for the direct plating of fresh swabs or properly controlled samples transported in Amies or other applicable transport media. Timoney's CEM Agar is an improved formulation with selective antibiotics (Timoney, *et al.* 1982; *Vet Record*; 111; 107-108). For a complimentary, non-selective medium, try our Chocolate Eugon Agar with 10% Horse Blood.

### STORAGE

Upon receipt, store Timoney's CEM Agar under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Avoid freezing or prolonged storage at temperatures above 40°C. Do not open until ready to use. Do not use if the medium shows signs of deterioration or contamination.

### INOCULATION PROCEDURE FOR INTRAY™ DEVICES

Allow the InTray™ to warm to room temperature. Lift the lower right corner of the flexible InTray™ label until the protective seal is completely visible. Remove the paper-foil seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**



Figure 1

Streak sample onto the agar surface (Fig. 2).

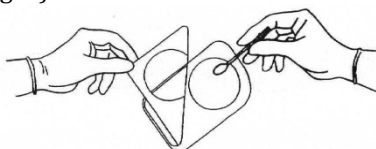


Figure 2

Reseal the InTray™ label to the plastic tray body. **Press all around the perimeter of the InTray™ to ensure a complete seal** (Fig. 3). Immediately label the InTray™ with patient or sample information and date. **DO NOT COVER THE VIEWING WINDOW.**



Figure 3

### CULTURE AND RESULTS

Incubate at 37°C for 72 hours (up to 14 days) under 5-10% CO<sub>2</sub> atmosphere or in a candle jar. Colonies of *T. equigenitalis* are small (2-3 mm), smooth with an entire edge, glossy and yellowish grey.

### LIMITATIONS/PRECAUTIONS

**For veterinary and research use only.** Plates should be examined for contaminants after the first 24 hours of incubation. Laboratories should be aware that certain countries and/or states may require the prolonged incubation periods or specific confirmation techniques as standard procedures and should therefore ascertain the particular local or regional requirements for CEM testing and reporting and/or indicate the specific isolation and testing methods used for their cultural findings.

Definite confirmation of *T. equigenitalis* may require a range of staining, biochemical testing, antibody agglutination or immunofluorescent testing.

Once the medium has been inoculated, re-open only in a biological safety cabinet. Because of the potential for containing infectious materials, used media must be destroyed by autoclaving at 121°C for 20 minutes.

### REAGENTS

Timoney's CEM medium contains agar, peptone nutrients, horse blood, and antimicrobial selective compounds.

### QUALITY CONTROL

All Biomed product lots are performance verified with ATCC® microbe strains. Product performance is also verified periodically throughout the marked shelf life of each lot.

Organism	ATCC®	Colony Aspect
<i>T. equigenitalis</i>	35865	Small, smooth, yellowish grey, cytochrome-oxidase positive
<i>E. coli</i>	25922	Inhibited, cytochrome-oxidase negative

SYMBOL KEY			
Symbol	Used For	Symbol	Used For
	Batch code		Temperature limitation
	Date of manufacture		Catalog number
	Use by YYYY-MM-DD or YYYY-MM		Caution, consult accompanying documents
	Manufacturer		Authorized representative in the European Community
	In vitro diagnostic medical device		in European community

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ATCC® is a registered trademark of the American Type Culture Collection

REFERENCE: *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals (Terrestrial Manual)*. 2008; World Organization for Animal Health (OIE).